

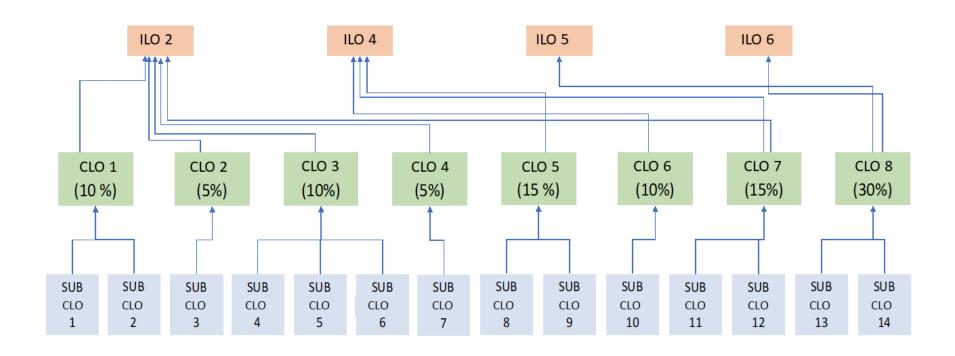
BRAWIJAYA UNIVERSITY FACULTY OF ENGINEERING DEPARTMENT OF URBAN AND REGIONAL PLANNING / MASTER STUDY PROGRAM (S2)

			SEMESTE	R LEARNING PLAN					
SUBJ	JECT	CODE	SUB	JECT SCOPE	WEIGHT (credits)	SEMESTER	Date of Preparation		
Research Metho Writ		TKW 82102	Urban and Regional Planning		3	odd	June 15, 2023		
AUTHOR	IZATION	RPS (SEMESTER LEAR Developer Le	_	Subject Coor	dinator	Head of	f Study Program		
-		Imma Widyawati Septiana Hari	_	Imma Widyawa	ti Agustin	Chri	stia Meidiana		
Learning Outcomes	ILO								
	ILO 2	Able to evaluate theories in the process of planning and development of regions and cities in the field of regional and urban planning specialization;							
	ILO 4	Able to use and select specialization	technology ap	plication methods in th	ne field of regior	nal and urban plan	ning and development		
	ILO 5 Able to formulate problem solving in the field of regional and urban planning and development by utilizing other fields of science in an interdisciplinary or multidisciplinary manner, and by taking into account physical spatial, economic, socio-cultural, environmental, and institutional factors.								
	ILO 6	1		earch, thoughts and ide ad urban planning and c		•			
CLO									

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CLO 1	Explain the scope of research at the bachelor, master, and doctoral levels; explain the research process in the field of PWK. Explain, and use paradigms in the research process
CLO 2	Explain, and use quantitative, qualitative & experimental research according to the research problem.
CLO 3	Able to explain, and analyze the theoretical basis, hypothesis framework in accordance with existing problems. Able to explain the synthesis of theories from literature and previous research
CLO 4	Able to explain the research conceptual framework according to the research problem
CLO 5	Able to explain the selected variables, sampling techniques, and able to analyze sampling techniques in accordance with the formulation of research problems. Able to explain data search methods and choose the right data search method. Able to explain and choose analysis methods to answer research problems.
CLO 6	Able to explain and create an analytical framework and survey design for research
CLO 7	Able to explain the formulation of qualitative research problems, relevant data collection, and explain sampling in qualitative research, and qualitative research analysis methods.
CLO 8	Able to understand, create writing by following writing procedures in scientific writing
SUB CLO	
SCLO 1	Explain the scope of research at bachelor's, master's, and doctoral levels
SCLO 2	Explain, and use paradigms in the research process.
SCLO 3	explain and use quantitative, qualitative, and experimental research according to the research problem.
SCLO 4	Able to explain, and analyze the theoretical basis, hypothesis framework in accordance with existing problems.
SCLO 5	Able to explain the synthesis of theories from literature and previous research.
SCLO 6	Able to explain the research conceptual framework according to the research problem
SCLO 7	Able to explain the selected variables, sampling techniques and able to analyze sampling techniques that are in accordance with the formulation of research problems.
SCLO 8	Able to explain data search methods and choose the right data search method
SCLO 9	Able to explain and choose analytical methods to answer research problems
SCLO 10	Able to explain and create an analytical framework and survey design for research
SCLO 11	Able to explain the formulation of qualitative research problems, relevant data collection, and explain sampling, and qualitative research analysis methods.
SCLO 12	Able to explain sampling in qualitative research, and qualitative research analysis methods.
SCLO 13	Able to explain and make a thesis research proposal.

	SCLO 14 Able to explain and make scientific writing									
Brief description of the course	The Research Methodology and Scientific Writing course is a course given in the second semester and forms the basis for the Thesis course.									
Learning Materials / Subjects	process 2. Quantitative, qualitative & experimental research 3. Theoretical foundation, hypothesis framework, synthesis of the 4. Research conceptual framework 5. Variable, sampling technique 6. Data search method 7. Analytical method, analytical framework, survey design	process Quantitative, qualitative & experimental research Theoretical foundation, hypothesis framework, synthesis of theory, synthesis of previous research Research conceptual framework Variable, sampling technique Data search method Analytical method, analytical framework, survey design Qualitative research, data collection, sampling, and qualitative research analysis methods								
Library	 Fred N. Kerlinger. 2004. Asas Penelitian Behavioral. UGM O'Leary, Zina.2004. The Essential Guide to Doing Research Saris, Willem. 2007. Design, Evaluation, and Analysis of Q Sugiyono. 2014. Metode Penelitian Kuantatif, Kualitatif, d Smith, The experiential learning cycle, (Jakarta: Cwis.us.ed Panduan Penulisan Tesis dan Disertasi. Fakultas Teknik U Supporters Suryana. (2010). Metodologi Penelitian Model Praktis Penhttp://file.upi.edu/Direktori/FPEB/PRODIMANAJEME 	h. Sage Publications uestionnaries for Survey Research. Wiley - Interscience. an R & D. Bandung: Alfabeta, CV. du/dept/sba/ resources/elc/exp.html.com, 2008. niversitas Brawijaya Departemen Pendidikan Nasional. Malang elitian Kuantitatif dan Kualitatif.								
Learning Media	Software	Hardware								
Learning Media	SOFTWARE: VLM2, GMEET, ZOOM	LCD Projector, Laptop								
Team Teaching	Class R1 Class R2 1. Dr. Septiana Hariyani, ST, MT. 2. Dr. Wara Indira Rukmi, ST, MT. 3. Imma Widyawati Agustin, ST, MT, PhD. Class R2 1. Dr. Septiana Hariyani, ST, MT. 2. Johanes Parlindungan, ST, MT, PhD. 3. Imma Widyawati Agustin, ST, MT, PhD.									
Course Requirements	-									

Diagram of relationship/percentage of OBE/KKNI SLOs/ILPs with CLO/CLOs



Weight Mapping of SLO - CLO

	SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7	SLO 8	Total
CLO 1	0	1	0	0	0	0	0	0	1
CLO 2	0	1	0	0	0	0	0	0	1
CLO 3	0	1	0	0	0	0	0	0	1
CLO 4	0	1	0	0	0	0	0	0	1
CLO 5	0	0	0	1	0	0	0	0	1
CLO 6	0	0	0	1	0	0	0	0	1
CLO 7	0	0.5	0	0.5	0	0	0	0	1
CLO 8	0	0	0	0	0.5	0.5	0	0	1

Relationship between SLO and CLO / sub CLO and assessment

SL	SLOs and IK SLOs imposed on the course of Research Methods and Scientific Writing				CLO					Media assessment and its contribution to MK competency scores		
ILO	SLO Statement	IK-ILO	IK-ILO Statement	CLO	CLO Statement	CLO Weight	Assessment Media	TASK	Mid- Exam	Final Exam		
2	Able to evaluate theories in the process of planning and development of regions and cities in the field of regional and urban planning specialization;	a	able to evaluate theories in the process of planning and development of regions and cities in the spatial and environmental fields	1	Explain the scope of research at the bachelor, master, and doctoral levels; explain the research process in the field of PWK. Explain, and use paradigms in the research process	10						
				2	Explain and use quantitative, qualitative & experimental research according to the research problem.	5						
				3	Able to explain, and analyze the theoretical basis, hypothesis framework by existing problems. Able to explain the synthesis of theories from literature and previous research	10						
				4	Able to explain the research conceptual framework according to the research problem	5						

SL	Os and IK SLOs imposed on the course of Ro	esearch M	lethods and Scientific Writing		CLO		Media assessment and its contribution to MK competency scores			
ILO	SLO Statement	IK-ILO	IK-ILO Statement	CLO	CLO Statement	CLO Weight	Assessment Media	TASK	Mid- Exam	Final Exam
4	Able to use and select technology application methods in the field of regional and urban planning and development specialization	a	Able to use technology application methods in the field of regional and urban planning and development specialization	5	Able to explain the selected variables, and sampling techniques, and able to analyze sampling techniques by the formulation of research problems. Able to explain data search methods and choose the right data search method. Able to explain and choose analysis methods to answer research problems.	15				
				6	Able to explain and create an analytical framework and survey design for research	10				
5	Able to formulate problem solving in the field of regional and urban planning and development by utilizing other fields of science in an interdisciplinary or multidisciplinary manner, and by taking into account physical spatial, economic, socio-cultural, environmental, and institutional factors.	a	Formulate solutions to problems in the physical spatial and environmental fields based on theoretical concepts, systems, processes, and methods of appropriate regional and urban planning and development;	7	Able to explain the formulation of qualitative research problems, relevant data collection, and explain sampling in qualitative research, and qualitative research analysis methods.	15				
6	Able to compile the synthesis of research, thoughts and ideas carried out for the development of science and technology in the field of regional and urban planning and development and publish them both nationally and internationally.	b	Able to compile scientific work in the form of research or planning results and publish it in the form of reports, seminars, journals (national or international), posters and in social media.	8	Able to understand, create writing by following writing procedures in scientific writing	30				
Total	- · ·				L	100%	-	50%	40%	10%

Recapitulation of Percentage of SLO and CLO Relationship

CLO	DESCRIPTION	Tasks	MID-EXA M	FINAL EXAM	
CLO 1	Explain the scope of research at the bachelor, master, and doctoral levels; explain the research process in the field of URP. Explain, and use paradigms in the research process	20%	5%		25%
CLO 2	Explain and use quantitative, qualitative & experimental research according to the research problem.	35%	10%		45%
CLO 3	Able to explain, and analyze the theoretical basis, and hypothesis framework by existing problems. Able to explain the synthesis of theories from literature and previous research	24%		6%	30%
CLO 4	Able to explain the research conceptual framework according to the research problem				
CLO 5	Able to explain the selected variables, and sampling techniques, and able to analyze sampling techniques by the formulation of research problems. Able to explain data search methods and choose the right data search method. Able to explain and choose analysis methods to answer research problems.				
CLO 6	Able to explain and create an analytical framework and survey design for research				
CLO 7	Able to explain the formulation of qualitative research problems, relevant data collection, and explain sampling in qualitative research, and qualitative research analysis methods.				
CLO 8	Able to understand, and create writing by following writing procedures in scientific writing				
	Final Score =	79%	15%	6%	100%

Description: Filled in yellow

Recapitulation of Percentage Relationship between CLO and Assessment

ILO	Performanc e Indicators	CLO	Weight (%)	Quiz 1	Quiz 2	Task 1	Task 2	Practicum	MID-EX AM	FINAL EXAM	Weight
	4- 0-	61.0.1	5%	5%							450/
100	1a, 8a	CLO 1	10%						10%		15%
1 & 8	1h 0a	CLO 3	10%			10%					200/
	1b, 8a	CLO 2	10%						10%		20%

ILO	Performanc e Indicators	CLO	Weight (%)	Quiz 1	Quiz 2	Task 1	Task 2	Practicum	MID-EX AM	FINAL EXAM	Weight
200	3a, 8a	CLO 3	400/								200/
3 & 8	3b, 8a	CLO 3	40%							20%	20%
	3c, 8a	CLO 4	10%				20%				450/
			15%							25%	45%
				5%		10%	20%		20%	25%	100%

Semester Learning Plan

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
1 (SH)	Explain the scope of research at bachelor's, master's, and doctoral levels	Able to evaluate research at bachelor, master, and doctoral levels	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. Assessment: Test: MID-EXAM essay questions Non Test:	 Lecture. Lecture Discussion Task 1: Case Study 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5
2 (SH)	SUB CLO-2: Explain, and use paradigms in the research process	Able to evaluate paradigms in the research process	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
			methods and clear sources, by the description of the lecture explanation. Assessment: Test: MID-EXAM essay questions Non Test: -				
3 (SH)	sub clo-3: explain and use quantitative, qualitative, and experimental research according to the research problem.	Able to evaluate quantitative, leatherette, and experimental research by research problems	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, by the description of the lecture explanation.	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
			Assessment: Test: MID-EXAM essay questions Non Test: -				
4 (SH)	SUB CLO-4: Able to explain, and analyze the theoretical basis, hypothesis framework in accordance with existing problems.	Able to decide the theoretical basis, and hypothesis framework in accordance with the existing problems	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, in accordance with the description of the lecture explanation. Assessment: Test: MID-EXAM essay questions Non Test: -	• Lecture • Discussion • Tasks: -	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
5 (SH)	SUB CLO-5: Able to explain the synthesis of theories from literature and previous research	Accuracy in explaining the synthesis of theories from literature and previous research.	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, by the description of the lecture explanation. Assessment: Test: MID-EXAM essay questions Non Test: -	• Lecture. Lecture • Discussion • Tasks: -	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5
6 (SH)	SUB CLO-6: Able to explain the research conceptual framework according	Accuracy in explaining research concepts according to research problems	Criteria: 1. Clarity of discussion and description according to	Lecture. LectureDiscussionTasks: -	Lecture: 2x 50 minutes Discussion: 50 minutes		5

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
	to the research problem		the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, in accordance with the description of the lecture explanation. Assessment: Test: MID-EXAM essay questions Non Test: -		Assignments and self-study: 60 minutes + 50 Minutes		
7 (IWA)	SUB CLO-7: Able to explain the selected variables, and sampling techniques and able to analyze sampling techniques that are in accordance with the formulation of research problems.	Accuracy in explaining the selected variables, sampling techniques and being able to analyze sampling techniques that are by the formulation of	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
		research problems.	other related sources. 2. Accuracy in the use of analytical methods and clear sources, in accordance with the description of the lecture explanation. Assessment: Test: MID-EXAM essay questions Non Test: -				
8	MID-EXAM						5
9 (IWA)	SUB CLO-9: Able to explain the research approach and Able to analyze what approach is suitable for the research theme	Accuracy in explaining the research approach and Able to explain what approach is suitable for the research theme	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
			analytical methods and clear sources, by the description of the lecture explanation. Assessment: Test: MID-EXAM essay questions Non Test: -				
10 (IWA)	SUB CLO-10: Able to explain and choose analytical methods to answer research problems	Accuracy in explaining the selection of analytical methods to answer research problems	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, by the description of	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
			the lecture explanation. Assessment: Test: UAS essay questions Non Test: -				
11 (IWA)	SUB CLO-11: Able to explain and create an analytical framework and survey design for research	Accuracy in explaining the analytical framework and survey design for research.	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, by the description of the lecture explanation. Assessment: Test: Final Exam essay questions Non Test: -	• Lecture Lecture • Discussion • Tasks: -	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		10

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
12 (WIR) (JP)	SUB CLO-12: Able to explain the formulation of qualitative research problems, relevant data collection, and explain sampling, and qualitative research analysis methods.	Accuracy in explaining the formulation of qualitative research problems, collecting relevant data, and explaining sampling, and qualitative research analysis methods.	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, by the description of the lecture explanation. Assessment: Test: Final Exam essay questions Non Test: -	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		5
13 (WIR) (JP)	SUB CLO-13: Able to explain sampling in qualitative research and qualitative	Accuracy in explaining about sampling in qualitative research, and	Criteria: 1. Clarity of discussion and description according to	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes		10

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
	research analysis methods.	qualitative research analysis methods.	the explanation of lecture material and other related sources. 2. Accuracy in the use of analytical methods and clear sources, by the description of the lecture explanation. Assessment: Test: Final Exam essay questions Non Test: -		Assignments and self-study: 60 minutes + 50 Minutes		
14 (IWA)	SUB CLO-14: Able to explain and make a thesis research proposal.	Accuracy in explaining making a thesis research proposal	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources.	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		10

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
			2. Accuracy in the use of analytical methods and clear sources, in accordance with the description of the lecture explanation. Assessment: Test: Final Exam essay questions Non Test: -				
15 (IWA)	SUB CLO-15: Able to explain and make scientific writing	Accuracy in explaining scientific work	Criteria: 1. Clarity of discussion and description according to the explanation of lecture material and other related sources. Assessment: Test: Final Exam essay questions Non Test: -	 Lecture. Lecture Discussion Tasks: - 	Lecture: 2x 50 minutes Discussion: 50 minutes Assignments and self-study: 60 minutes + 50 Minutes		10

Week	Sub-CLO (as expected end capability)	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material [Literature]	Assessment Weight (%)
16	Final Exam Able to make an initial proposal for thesis research						10



BRAWIJAYA UNIVERSITY

FACULTY OF ENGINEERING

URP DEPARTMENT / URP MASTER STUDY PROGRAM

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SUBJECT	RESEARCH METHODS AND SCIENTIFIC WRITING								
CODE	TKW 82102 credits 3 SEMESTER 2								
INSTRUCTOR Dr. Septiana Hariyani, ST, MT.				-					
TACK EODIA									

TASK FORM	TASK TIME

Individuals 170 minutes/week/semester

TASK TITLE

Draft Thesis Proposal

SUBCOURSE LEARNING OUTCOMES

Draft a thesis proposal according to the chosen field (Sub CLO 5,6, and 7)

TASK DESCRIPTION

Each student can make an initial draft of a complete thesis research plan according to the rules of scientific writing.

ASSIGNMENT METHOD

1. Independent: students understand the assignments given, and conduct literature reviews from journals that are on the research theme that will be used as their thesis.

FORM AND FORMAT OF OUTPUT

a. Objective: Thesis proposal draft

b. Form of Output:

- 1. draft a thesis proposal, containing CHAPTER 1 (background, research urgency, problem identification, research problems, objectives, the scope of the area, scope of material, framework of thought; CHAPTER 2 literature review to answer research questions, similar previous studies, theoretical framework; and CHAPTER 3 conceptual framework).
- 2. Chapter 4 outlines the research method starting from research variables, sampling, analytical methods that will be used to answer the research questions in Chapter 1, analytical framework, survey design, and survey equipment (questionnaires, interview sheets, observation sheets).
- 3. Collected in print and file form, namely: No.1 above is a Stage 1 Assignment for MID-EXAM, and No. 2 above is a Stage 2 Assignment for UAS; Both Stage 1 and Stage 2 assignments: have a complete draft: summary, table of contents, table of tables, list of images, bibliography, ppt file.

c. Output Format:

Report and presentation file		
INDICATORS, CRITERIA, AND ASSESSMENT WEIGHT		
1. Completeness of business plan components point a to e = 30%		
2. Completeness of business plan components point f to h = 20%		
IMPLEMENTATION SCHEDULE		
Completeness of component No.1 (output form 1)	MID-EXAM week	
Completeness of component No.1 (output form 2)	Last week of classes	
Full proposal and presentation	FINAL-EXAM week	
OTHER		
LIST OF REFERENCES: in the RPS (Semester Learning Plan)		